

CLAIMS

1. A water cooled cooking range comprising:
a cooking surface area;
5 a water supply arranged to provide a constant supply of water onto said cooking surface
area;
an exit for the water from said cooking surface area; and
a chamber area located lower than said cooking surface area to receive the water from
said cooking surface area exit, the chamber having means for separating hydrophobic waste
10 material from water.
2. A water cooled cooking range according to claim 1, wherein the means for separating the
hydrophobic waste material from water comprises the interior of the chamber being divided into
two regions by a dividing wall which extends from a first point above but relatively close to the
15 bottom surface of the chamber to a second point on a wall of the chamber, the exit for water from
the cooking surface area being provided in the first region and a waste outlet being provided in
the second region above the level of the bottom of the dividing wall, the two regions being in
communication with one another along the bottom surface.
- 20 3. A water cooled cooking range according to claim 2, wherein the waste outlet has a valve.
4. A water cooled cooking range according to claim 3, wherein the means for separating the
hydrophobic waste material from water further comprises a collection tray located in the first
region above the level of the waste outlet.
- 25 5. A water cooled cooking range according to claim 4, wherein the collection tray is formed
from a portion of the dividing wall.
6. A water cooled cooking range according to claim 4, wherein the means for separating the
30 hydrophobic waste material from the water further comprises a removable cartridge filter adapted
to fit the collection tray.

7. A water cooled cooking range according to claim 6, wherein the removable cartridge filter is provided with a handle.

8. A water cooled cooking range according to claim 2, wherein a waste filter tray is provided in the first region beneath the drain plug to filter out solid waste particles from the mixture of water and hydrophobic waste material as it enters the chamber.

9. A water cooled cooking range according to claim 2, wherein a drain valve is provided in the bottom surface of the first region of the chamber.

10. A water cooled cooking range according to claims 2, wherein the dividing wall is inclined at an angle such that cross section of the second region is wider at the top than at the bottom.

11. A water cooled cooking range according to claim 1, wherein the chamber is located beneath the cooking surface area.

12. A water cooled cooking range according to claim 1, wherein the chamber area is integral with the cooking range.

13. A water cooled cooking range according to claim 1, further comprising a cooking range body, wherein the cooking surface area is movable relative to the cooking range body.

14. A water cooled cooking range according to claim 13, wherein attachment means are provided to attach a portion of the cooking surface area to the cooking range body.

15. A water cooled cooking range according to claim 14, wherein the attachment means comprise a hinged portion.

16. A water cooled cooking range according to claim 15, wherein a hinge is provided at two locations along an edge of the cooking surface area.

17. A water cooled cooking range according to claim 16, wherein the opposing edge of the

cooking surface area is provided with means for releasably connecting said cooking surface area to said cooking range body.

18. A water cooled cooking range according to claim 17, wherein the means comprises a lockable latch which engages with a portion of the cooking range body.

19. A water cooled cooking range according to claim 13, wherein means is provided for moving the cooking surface area from a first position to a second position.

20. A water cooled cooking range according to claim 19, wherein the means for moving the cooking surface area comprises a gas spring lifting mechanism.

21. A water cooled cooking range according to claim 13, wherein the chamber area is located within the cooking range body.

22. A method of separating hydrophobic waste material from water in a water cooled cooking range according to claim 4, comprising the steps of:

i) closing the valve on the waste outlet;

ii) maintaining the flow of water onto the cooking surface;

iii) monitoring the level of water/hydrophobic waste material in the chamber until the hydrophobic waste material overflows into the collection tray.

iv) re-opening the valve on the outlet; and

v) removing the hydrophobic waste material.

23. A method according to claim 22 further comprising the step of removing the cooking surface drain plug.